

Notice of Allowability

Application No.

10/603,472

Examiner

G. Nagesh Rao

Applicant(s)

UENO, TAKAKUNI

Art Unit

1722

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/07/06.
2. ☒ The allowed claim(s) is/are 70.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/557,257.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification:

Insert at Page 1, Line 5, before "1. Field of the Invention" insert the following paragraph:

Cross-Reference to Related Applications

This application is a divisional of pending United States Patent Application Serial No. 09/557,257, filed April 24, 2000, now U.S. Patent No. 6,627,376.

In the claims:

Claims 62-69,72,73 are cancelled.

This application is in condition for allowance except for the presence of claims 62-69,72, and 73 directed to an invention non-elected without traverse. Accordingly, claims 62-69,72 and 73 have been cancelled.

Attached is a complete claim listing per 37 CFR 1.121.

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The following is an examiner's statement of reasons for allowance: See Quayle action mailed on 12-16-05 for examiner's reasons for allowance. Examiner has noted that objected claims 71 and 74 were cancelled by applicant and thus claim 70 and the application is condition for allowance. Claims 62-69,72-73 pertaining to the method were withdrawn from consideration without traverse and thus cancelled by examiner.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to G. Nagesh Rao whose telephone number is 571-272-2946. The examiner can normally be reached on 9Am-5Pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane S. Smith can be reached on 571-272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Duane S. Smith
Primary Examiner
Art Unit 1724

DUANE SMITH
PRIMARY EXAMINER

D. Smith
3-2-06

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Claims PTO

Claims 1-69 cancelled.

Claim 70(Previously presented) A stereolithographic apparatus comprising:
supply means of successively supplying a layer of photohardenable resin composition onto a mount table or a photohardened layer formed by hardening photohardenable resin composition;

stereolithography means having a light irradiation device for repeating formation lamination of photohardened layers each having predetermined pattern and thickness under control until a desired three dimensional object is formed;

temperature adjusting means for setting the temperature of the photohardenable resin composition to a temperature less than the melting temperature thereof, wherein said temperature adjusting means is cooling means having control means for keeping, at a temperature less than the melting temperature of the photohardenable resin composition, a photohardenable resin composition layer forming the same surface as a photohardened layer which has been already formed, in the overall or a part of the stereolithographic process; and

heating means for heating unhardened photohardenable resin composition existing in an optical stereolithographic system up to a temperature above the melting temperature thereof at some midpoint of or after the end of the stereolithographic process.

Claims 71-74 cancelled.